

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 23, 2005

Inspector: Diana Walden

Location: 115 kV Underground Route

Storm/

Rain Event: Approximately 1.44- 1.70" of rain fell over 11/21-11/22 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- Bethel Educational Park: Most work here is complete. Activity was noted at the vault near the Bethel Middle School. 11/23/05	-See erosion control section for specifics. 11/23/05
Hoyts Hill Transition Structure	-Work had returned to install risers along the pole structure. 11/23/05	- See erosion control section for specifics. 11/23/05
Gallows Hill Road and Rt. 107, Redding	- Preparing vaults and cable pulling are ongoing. 11/23/05 - Work was ongoing to bring the street to permanent grade and pavement along Rt. 107. 11/17-11/23/05 - Storage areas along the Rt. 107 roadway remain in use. 11/23/05	-None at this time. 11/23/05 - No issues were present. See erosion control section. 11/23/05 - See additional sections for more information. 11/23/05
Rt. 58, Bethel	- Crews continue work along Rt. 58, bringing the roadway to final grade in several locations. Preparing vaults for cable pulls is ongoing. 11/23/05	- See additional sections for more information. 11/23/05

Areas of Inspection	Observation	Recommended Action
Broad Street/ROW, Norwalk	<ul style="list-style-type: none"> - The jack and bore under the railroad on Broad St. is being brought to grade as both pits are filled in. Curbing and sidewalk work has also been noted. 11/23/05 - Separate work by Henckels and McCoy was also noted here on a gas line. 11/23/05 	<ul style="list-style-type: none"> -Activities were fairly well contained here. See additional sections for more information. 11/23/05 - Grading is ongoing at this time. 11/23/05
Broad Street/ROW, Norwalk	<ul style="list-style-type: none"> -Pavers continue to be restored along the Broad St shoulder under the overpass. 11/17-11/23/05 - The ROW is awaiting construction of the bike path. 11/23/05 	<ul style="list-style-type: none"> - Continue restoration measures along Broad St.. 11/23/05 - Conditions were currently muddy but controlled 11/23/05
Rt. 7, Norwalk	<ul style="list-style-type: none"> - Trenchwork along Rt. 7 is essentially complete. Curbing and pavement repair was noted at the Shell station. 11/17-11/23/05 - The Merritt cloverleaf concrete washout appears to have little use from this project any longer. 11/23/05 	<ul style="list-style-type: none"> -Continue to restore grassed area at the Shell parking lot. 11/23/05 -See erosion control and storage sections for additional information. 11/23/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Silt fence has been removed from most areas as the street work is largely complete. Fence should be removed if the adjacent area has not been disturbed or if it has been seeded and mulched. 10/27-11/23/05 	<ul style="list-style-type: none"> - If the road grade work causes further disturbance, the area must be restored with additional mulch. 10/27-11/23/05
Bethel Educational Park	<ul style="list-style-type: none"> - The northern ROW showed some ruts/muddy conditions from equipment access but is mostly stable. 11/23/05 - A small washout was also noted along the southern ROW access drive. 11/10-11/23/05 - Most silt fence along this portion of the ROW has been pulled. 11/23/05 - The slope at the southern end of the ROW remains fairly stable. 11/23/05 	<ul style="list-style-type: none"> -Some mulch should be placed on ruts when access needs are complete. 11/23/05 - The gully should be placed with stone to prevent sedimentation. 11/10-11/23/05 - If necessary, place mulch and seed or less preferable, stone along the slope to further stabilize. 11/23/05

Areas of Inspection	Observation	Recommended Action
Hoyts Hill Riser Transition Structure (Off Rt. 58)	- Work returned to install risers along the pole structure and equipment access has created ruts along the sides of the drive in the mud. 11/23/05	- The ruts should be graded and mulch added to the area when the equipment access is complete. 11/23/05
Route 58	- Most catch basins near the work areas are being consistently placed with either haybales or fabric and are well protected as the road is being brought to grade. Curbing was being restored as well. 11/23/05	In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly and maintain controls on all catch basins and inlets. 11/23/05
	- Working to dewater and prepare the vaults was occurring in several locations. 11/23/05	- Restore the edge of roadway with seed/mulch if necessary following equipment access. 11/23/05
	- One vault setup was located near a stream at Putnam Park. The stream was running very clear but bare soil is located around it. 11/23/05	- Monitor the area for any erosion issues and mulch the area when vault work is done. 11/23/05
	- The stream at Sara's Way remains clear and in good shape. 11/23/05	- Continue to monitor for complete restoration along the banks but the area is mostly stable. 11/23/05
	- Silt fence at the Putnam Park storage area near the pond continues to be in good repair. 10/27-11/23/05	- None at this time. 11/23/05
	- The Sunset Hill Rd. storage area silt fence looks better and trench boxes have been removed. 11/23/05	- Keep erosion controls in place as long as the stone stockpile and bare soil remains. 11/23/05
Gallows Hill Road	- The roadway and adjacent work areas are largely stabilized. 11/23/05	- None at this time 11/23/05

Areas of Inspection	Observation	Recommended Action
Rt. 107 (Lonetown Rd) Broad Street and ROW, Norwalk	- Active roadway repair work was ongoing. Catch basins appeared to be protected and curbing is being installed. 11/23/05 - The storage area south of the 90 degree turn on Rt. 107 had some very worn but mostly functional silt fence in place. 11/23/05 - The bank cut area at Lois Lane (vault #8) here should be restored with seed and mulch. 10/5-11/23/05	-In general, monitor road work and make sure no soil is stockpiled. Restore the roadside if equipment causes disturbance during this phase. 10/19-11/23/05 - Monitor and repair the fence here as long as storage continues in this area. 11/23/05 - Restore the area if work is complete. 10/5-11/23/05
	- The silt fence is well installed along most of the ROW and the area is awaiting construction of the bike path. 11/23/05 -Curbing and paved areas were restored at the Shell station. Restore the remaining bare areas with seed and mulch. 11/23/05	- Continue to maintain silt fence where needed. 11/23/05 -Continue to stabilize all roadsides. 11/23/05
	- Henckels and McCoy- a contractor separate from the contractor was working on a gas line in the vicinity of the railroad. 11/23/05 -Trenchwork is largely complete. 11/17-11/23/05 - The Merritt Cloverleaf concrete washout area and adjacent stockpile area have been mulched as this area has limited remaining use from this project. 11/23/05	- None at this time. 11/23/05 - Continue to clean up roadsides and restore features. 11/23/05 - None at this time. Keep controls maintained if it will still be used. 11/23/05
Contaminated Soils	-Soil disposal is no longer a major component of the project as most areas of trench work are completed. Clean process was brought in to bring roadways to grade. All remaining soil work is still being handled as approved. 11/23/05	- All soils appear to be handled appropriately. 11/23/05
Adjacent Wetlands and Waterways	-The stream near Sara's Way off Rt. 58 remains clear and banks are free from erosion. 11/23/05	- None at this time. Continue to monitor for final vegetative stabilization. 11/23/05

Areas of Inspection	Observation	Recommended Action
	- A small stream crossing near Putnam Park at a vault setup also remains clear at this time. 11/23/05	- Monitor as bare soil remains around the stream. 11/23/05
Staging, Storage, and Parking Areas	<p>-The Merritt cloverleaf area has been mulched and controls remain well installed. 11/23/05</p> <p>- The Redding Yard has very limited use from this project any longer but controls remain in good shape. 11/23/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, controls remain in good shape with adjacent wetlands remaining un-impacted. 11/23/05</p> <p>- The silt fence at Sunset Hill Rd. storage yard is in good shape and the trench boxes have been removed. 11/23/05</p> <p>-The area across from the country club near the 90 degree turn on Rt. 107 is worn but functional. 11/10-11/23/05</p>	<p>- Continue to monitor and maintain if used any further for this project 11/23/05</p> <p>- None at this time. 11/23/05</p> <p>-Retain the silt fence here due to the proximity of the pond while the yard still in use. 11/23/05</p> <p>- Maintain fence as long as the areas are being used but it can be pulled if the storage areas are mulched/restored. A stone pile is in place at both locations. 10/27-11/23/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- Mulching of bare areas is ongoing and good restoration and grass re-growth is noted in a number of locations. When the areas are mulched and seeded, silt fence is being removed. 11/23/05	- The D&M plan requires that disturbed areas to be left for more than 21-30 days before work returns here should be temporarily stabilized with mulch or seed within 7-14 days.
Dewatering	<p>- Dewatering discharge along the route from the O&G work is limited at this time but is being directed to frac trucks or tanks if it occurs 11/23/05</p> <p>-Dewatering is usually only needed near duct proofing activities now that most trench work is complete. Dewatering</p>	<p>- None at this time.</p> <p>- Continue to use filtration prior to discharging any water. 11/23/05</p>

Areas of Inspection	Observation	Recommended Action
	from any work conducted by Mass Electric/Kiewit is directed back to the ground or catch basins through controls. 10/27-11/23/05	
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	<p>- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-11/23/05</p> <p>- In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. Efforts have been good at this point. 11/23/05</p>	<p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled.</p> <p>- The contractors should remain vigilant about securing and handling fuel and material containers.</p> <p>- Equipment and materials should not be stored in wooded areas unless it is designated for storage.</p>

Next likely scheduled inspection:

Thursday, December 1, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



115kV (Broad Street): Photo on the left shows the receiving pit area of the railroad jack and bore closed up and ready for final stabilization. Photo on the right shows the trench through the Shell parking lot with curbing restored. Continue to restore grassed area as well. 11/23/05



115kV (Broad St. and ROW): Photo on the left shows work at the RR J&B where Henckels and McCoy are performing gas line work in addition to the project backfill/grading. Photo on the right shows the ROW waiting for bike path construction. 11/23/05



115kV (Rt.7). Both photos show views of the concrete washout area and a previous stockpile area which have been mulched and appear to have limited use by the project any longer. 11/23/05



115kV (Rt 107 and Rt. 58). Both photos show typical permanent roadway restoration to grade with curbing being formed. 11/23/05



115kV: (Rt. 107 and 58 Storage areas) Photo on the left shows the storage area near the Rt. 107 90 degree turn where the silt fence is becoming frayed but is currently functional. Photo on the right shows the storage area at Sunset Hill Rd. where silt fence is in good shape. 11/23/05



115kV: (Rt. 107 and Rt. 58) Photo on the left shows the bank cut remaining near Lois Lane (vault #8) Mulch is needed here when practicable. Photo on the right shows the typical set-up at vaults for proofing and future cable-pull. 11/23/05



115kV (Rt. 58 and Hoyts Hill Transition Structure): The photo on the left shows a stream crossing near a vault at Putnam Park which had very clear water. Photo on the right show risers being installed along the pole structure. 11/23/05



115kV (HH and Bethel Ed. Park): Photo on the left shows ruts along the access road to Hoyts Hill structure. Photo on the right shows the northern portion of the ROW at Bethel Ed where some equipment access has created muddy conditions. 11/23/05